



CA5 Series

M.2 2280 | NVMe PCIe SSD

KEY BENEFITS

- High Performance NVMe PCIe
- Low latency
- Slim form factor— M.2 2280
- LDPC technology

APPLICATIONS



Office Workloads



SQL Logging



PC Caching



Boot

SIGNIFICANT PERFORMANCE BOOST

Meet the perfect SSD for your boot and caching needs. CA5 Series with NVMe boosts your systems performance by accelerating application responsiveness, increasing productivity, and improving energy efficiency. NVMe delivers dramatic speed improvement as much as 7x faster than SATA SSDs. CA5 delivers superior performance at 4KB random read/write speeds of up to 300,000/275,000 IOPS.

SMALL BUT POWERFUL

With its small M.2 form factor, CA5 fits easily into a motherboard, no problem. Built to store your data efficiently and securely no matter what the file type, it operates more effectively than SATA SSDs, while also consuming less power.

HIGH RELIABILITY

Designed and manufactured in-house, we have dedicated teams and on-site testing and verification facilities. This ensures the reliability and compatibility of each SSD to various complex hardware and operating system environments. Our engineers control and carry out all stages of the development process including the most thorough testing method to guarantee high quality.

THE FIRMWARE ADVANTAGE

Our teams work closely with industry-leading chip manufacturers to develop solutions specific to your needs. With customized proprietary firmware, CA5 will provide superior performance at consistent speeds for years to come.

CA5 Series NVMe PCIe SSD

	CA5-8D256	CA5-8D512	CA5-8D1024
Configuration			
Capacity	256 GB	512 GB	1TB
Interface	NVMe PCIe Gen 3 x4		
Form Factor	M.2 2280		
Performance			
Sequential Read/Write ¹	3200/1600 MB/s	3300/2100 MB/s	3300/2100 MB/s
4K Random Read/Write ¹	250K/250K IOPS	300K/275K IOPS	300K/275K IOPS
Reliability			
Power on/off cycles	50,000		
MTBF ³	>3 million		
Warranty	hours 3 Years		
Features			
ECC	LDPC Gen 3 Engine		
S.M.A.R.T.	Supported		
NVMe Deallocate	Supported		
TCG-OPAL 2.0	Optional		
Power Consumption			
Idle/Active Mode	Max 1.4 W/8W		
Sleep Mode	10mW		
Environment			
Operating Temperature	0 to 70° C		
Non-operating Temperature	-40 to 85° C		
Power-On Ready ³	300 ms		
Resume from DEVSLP	100 ms		

Specifications and data are subject to change without notice. Product image is sample only. Not actual product.

¹Based on internal testing, performance, may vary depending on host device, OS and application ²UBER - Unrecovered Bit Error Rate ³MTBF - Mean Time Between Failures based on parts stress analysis

For more information, please visit:

ssstc.com

HEADQUARTERS

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